



HAZARDOUS WASTE DISPOSAL GUIDE

409th BSB GRAFENWOEHR



Prepared by: Environmental Division Grafenwoehr
Updated : February 2002

TABLE OF CONTENTS

1. General Information.....	3
2. General Rules for Hazardous Waste Generators.....	5
3. Hazardous Waste Separation and Disposal Instructions.....	7
4. Instructions for Waste Collection and Separation.....	9
5. Turn in of Hazardous Materials to the RSSA Reuse Center.....	13
6. Turn in of Hazardous Materials to DRMO	16
7. Requesting Overpacks.....	17
8. General Turn in Procedures for All Hazardous Property.....	18
9. Determining Unserviceable DS2.....	23
10. Storage building for DS2 and STB	23
 ANNEX I Important Telephone / Emergency Numbers.....	 24
ANNEX II Listing of Management Services Points / Pickup Points.....	25
ANNEX III Listing of Spill Response Equipment.....	26
ANNEX IV Useful Internet Addresses.....	28
ANNEX V Hazardous Waste Contingency Plan.....	30

HAZARDOUS WASTE DISPOSAL GUIDE

1. GENERAL INFORMATION

Effective 1 January 1999 DRMR-E (Defense Recycling and Marketing Region-Europe) set up a new contract for direct removal of hazardous wastes. The contract is based on German Waste Disposal Laws and requires strict adherence to these laws.

The new contract also contains some essential changes to the hazardous waste collection and disposal procedure at the 409th BSB Grafenwoehr.

MOST SIGNIFICANT CHANGES ARE:

We contracted for “Contract Management Services” for 15 collection points.(see list of collection points serviced under management services at enclosure 1) Contract Management Services consist of:

- Management and housekeeping of hazardous waste accumulation points. (This includes keeping accumulation points clean, as well as snow and ice removal).
- Collection, segregation (if necessary), containerization and packaging of waste.
However, the generator is still responsible for proper segregation of wastes. The contractor will document and report noncompliance with hazardous waste segregation and collection requirements to the DPW Environmental Office, which will in turn inform the respective environmental coordinator. If, after three notices, noncompliance persists, the Environmental Office will elevate this issue through the chain of command.
- Preparation and processing of documentation.
- Provide appropriate containers (to include proper labeling) approved by the competent authority.
- Provide sufficient collection capability at collection points at all times.
- Maintaining an inventory list at each site, updating it as changes occur and posting it at collection point for each type of waste.

- Coordinating removal of hazardous waste with COR. (Hazardous Waste Generators at collection points serviced under management services do **not** have to request removals). If containers are not emptied in time and start to overflow, contact the Environmental Office Grafenwoehr, telephone: DSN 475- 7048 immediately.
- Provide training to environmental coordinators on hazardous waste segregating requirements necessary for disposal in accordance with German law, and for the services provided under this contract.
- Package, placard, and transport hazardous substances to DRMO after prior coordination of a convenient turn-in date for DRMO personnel. (Hazardous waste generator, however, will provide appropriate documents, i.e. DD Form 1348-1A and Material Safety Data Sheet (MSDS)).

NOTE: If contractor fails to comply with above listed services, the facility/unit Environmental Coordinator should contact the Grafenwoehr Environmental Office immediately so that deficiencies can be corrected. Please forward any complaints to Mrs. Yankers or Mr. Salavs at DSN 475-7048 or 7209.

2..GENERAL RULES FOR HAZARDOUS WASTE GENERATORS

Hazardous Waste Generators will:

- Sort and segregate waste and **not** place any waste on the ground. Contractor personnel will check waste accumulation points routinely and if necessary correct improper sorting.
 - Ensure personnel utilizing the collection point understand the operating procedures.
 - Ensure proper use of secondary containment to prevent spills and promote environmental stewardship.
 - Attend all HW removals and container deliveries
- Hazardous Waste Generators at Management Services Locations do not have to request removal of HW.
 - All hazardous waste will be placed in the containers labeled for each respective type of waste. If your containers are not labeled, contact the Environmental Office Grafenwoehr.
 - Turn-ins of Hazardous Materials to DRMO will be made if hazardous property cannot be turned in to your Supply Support Activity (SSA) or Regional Supply Support Activity (RSSA) or the Hazardous Material Reuse Center, Vilseck.
 - For hazardous material that needs to be turned in to DRMO, the hazardous waste generator will provide the appropriate completed documents (DD Form 1348-1A and MSDS) to the Environmental Office Grafenwoehr, Bldg. # 329. The Environmental staff will assign a document number, obligate payment of transportation cost and then forward the completed turn-in documentation to the Hazardous Waste Contractor. He will follow the “GENERAL TURN IN PROCEDURES FOR ALL HAZARDOUS PROPERTY”, when preparing the HM for turn-in to DRMO.
 - Keep HW containers for outside storage (e.g. 7 cubic meter container for POL solids) closed at all times to protect the contents against rainwater.
 - Do not mix regular refuse with hazardous waste (soda cans are not hazardous waste, but often found in containers for collection of empty metal oil cans) and keep the collection points clean to avoid spills.

- The DPW Environmental Division constructed 117 each Hazardous Waste Storage Facilities at each motor park and tank park (main camp, field camps, maintenance areas and firing ranges. There are also 106 each Used Oil Buildings located in the immediate vicinity. Hazardous waste storage facilities have two compartments, one for barrels and one for canisters. They have a chemical resistant coating and a pump sump. To be in compliance with the German Final Government Standards and all applicable host nation and US laws, these storage facilities must be used to store:

- a. Oily substances, i.e. contaminated POL products, absorbent, oily rags, and filters, break fluid, lubricants and grease. (In the waste oil building).
- b. All other chemicals such as antifreeze, paint, alcohols, solvents, acids, bases belong in the hazardous waste storage facility.
- c. Used dry cell batteries will be dumped in red or blue battery containers that have been placed throughout the Main Post, Field Camps and Firing Ranges (Motor Pools, Admin. Bldgs., Housing Area Recycling Centers, Dining Facilities, Barracks, etc.).

Make sure all storage compatibility criteria for above wastes are respected.

3. HAZARDOUS WASTE SEPARATION AND DISPOSAL INSTRUCTIONS

The new DRMO hazardous waste disposal contract includes both direct removal and turn-ins to DRMO.

The following waste streams are included in the direct removal contract for hazardous waste at Grafenwoehr:

CLIN # E3907 OIL CONTAMINATED SOLIDS (empty plastic oil cans, oily rags, oil contaminated absorbent)
CLIN # E6089 EMPTY METAL OIL CANS (up to 5 gal size)
CLIN # E3927 CONTAMINATED FUELS
CLIN # E3919 OIL FILTERS
CLIN # E2038 ANTIFREEZE (ETHYLENE GLYCOL)
CLIN # E1330 BATTERY ACID
CLIN # E2145 FLUORESCENT LIGHTBULBS
CLIN # E6100 EMPTY PLASTIC CANS
CLIN # E0508 VEHICLE BATTERIES
CLIN # E3704 PHOTOGRAPHIC WASTES
CLIN # E6116 CONTAINERS, METAL (larger than 20 inches in any direction)
CLIN # E6121 CONTAINERS, PLASTIC (larger than 20 inches in any direction)
CLIN # E1914 DS2
CLIN # E2329 STB
CLIN # E2025 MASK FILTERS, CONTAINING ACTIVATED CARBON WITH CHROMIUM
CLIN # E8006 CHEMICAL DEFENSE EQUIPMENT KIT (FINE CHEMICALS, SODIUM HYDROGEN SULFATE CDE KITS)
CLIN # E3671 TAR AND TAR RESIDUES
CLIN # E3440 PESTICIDES
CLIN # E0501 BATTERIES, LITHIUM
CLIN # E0502 BATTERIES, MAGNESIUM
CLIN # E0503 BATTERIES, NICKEL-CADMIUM
CLIN # E0505 BATTERIES, DRY CELL
CLIN # E0644 CARTRIDGES, DIESEL STARTER, PROPANE, BUTANE ETC.
CLIN # E2307 GLUES AND ADHESIVES, NOT HARDENED, HALOGENATED AND NON- HALOGENATED
CLIN # E3120 PAINT, FREE OF HALOGENATED SOLVENTS
CLIN # 3121 PAINT WITH HALOGENATED SOLVENTS
CLIN # E3943 DIETHYLENE GLYCOLS (BRAKE & HYDRAULIC FLUID, NO POL)
CLIN # E3966 GREASE
CLIN # E4506 AEROSOL CANS
CLIN # E4566 SOLVENTS, NONHALOGENATED
CLIN # E4591 SOLVENTS, HALOGENATED

Each of the above listed hazardous wastes must be collected and disposed of separately.

For disposal information on items not listed here, please contact Mrs. Yankers or Mrs. Fremuth at the DPW Environmental Division Grafenwoehr, telephone: DSN 475-7048 or 475-7209, email: Hannelore.Yankers@cmtymail.100asg.army.mil
Christine.Fremuth@cmtymail.100asg.army.mil

For the collection of the above-specified wastes, the contractor must provide and place properly labeled containers. These containers must meet all requirements for the storage in accordance with “Ordinance on Hazardous Substances, Technical Rules for Flammable Liquids, Water Law (Gefahrstoffverordnung, Technische Regeln für brennbare Flüssigkeiten, Wasserhaushaltsgesetz)”, and transportation in accordance with the “Ordinance on the Transportation of Dangerous Goods on Public Roads (Gefahrgutverordnung Straße” GGVS), in accordance with the delivery condition stipulated in the “Entsorgungs/Verwertungsnachweis” (EVN) for the respective type of waste.

If you think, the containers provided to you do not comply with above requirements, please inform the DPW Environmental Office. We will check and have the contractor replace the containers if necessary.

NOTE: Hazardous materials will not be accepted for disposal. See section 6 “TURN-IN OF HAZARDOUS MATERIALS TO DRMO” for instructions.

4. INSTRUCTIONS FOR WASTE COLLECTION AND SEPARATION

OIL CONTAMINATED SOLIDS

Includes empty plastic cans with hazardous residues (up to 5 gal size), oil-contaminated absorbent and oily rags. Place into 1.1 cbm or 7-cbm containers labeled "**OIL CONTAMINATED SOLIDS**" at your motor pool. Plastic oilcans must be completely empty. Do not fill the container with absorbent only, since the container will be too heavy to be emptied.

EMPTY METAL CANS (with hazardous residues; size up to 5 gal)

Place into 1.1 cbm container, or 7-cbm containers labeled "**EMPTY METAL CANS**" at your motor pool. Cans must be completely empty. Smash them, if possible, this will save container space. **Soda cans will not be accepted, they go into the blue recycling container.**

55 GAL DRUM, METAL, EMPTY (with hazardous residues; larger than 20 inches in any direction)

Request pickups from Environmental Office Vilseck.

55 GAL DRUM, PLASTIC, EMPTY (with hazardous residues; larger than 20 inches in any direction)

Request pickups from Environmental Office Vilseck.

CONTAMINATED FUEL

Drain into labeled 200 liter drum at the motor pool HW collection point.

OIL FILTERS

Place into blue 200 liter drum labeled "OIL FILTERS" at your motor pool HW collection point. Only oil and fuel filters will be accepted. No air filters!

ANTIFREEZE

Drain into the 200 liter drum labeled "ANTIFREEZE" at your motor pool HW shed.

BATTERY ACID

Drain into underground storage tank for battery acid (Bldgs. # 602 and 645 only).

DS2

DS2 does not have an expiration date. If cans are in good condition, they must be turned back into the supply system. Authorized, environmental compliant storage for DS2 in good condition is at Bldg. # 311 only!!! Contact the Environmental Office to get more info.

If cans show signs of deterioration, i.e. rust, dents, bubbling paint, pack into 120 l plastic drum and request removal from Environmental Office.

MASK FILTERS

Request removal from Environmental Office.

STB

STB which is not expired and in good condition will either be turned back into the supply system or stored at Bldg. # 311 only!!! Contact the Environmental Office to get more information.

Expired, unusable STB will be packed into 120-l plastic drum and contact the Environmental Division for disposal.

CDE KITS

Pack into 120-l plastic drum and contact the Environmental Division for disposal.

FLUORESCENT LIGHT TUBES

Place carefully onto contractor provided pallets to avoid breaking and venting of noxious gases into the air.

EMPTY PLASTIC CANS (with hazardous residues; size up to 5 gal)

Place into container labeled "EMPTY PLASTIC CANS" at your motor pool or take to the Sanitary Landfill Recycling Center.

VEHICLE BATTERIES

Place into contractor provided container or take to the Sanitary Landfill Recycling Center.

TAR AND TAR RESIDUES

Request removal/disposal by contacting the Environmental Office.

PHOTOGRAPHIC WASTES

Drain into contractor provided container (Dental and Health Clinic only).

BATTERIES, LITHIUM

Place in 120 liter blue drum for disposal or take to Sanitary Landfill Recycling Center.

BATTERIES, MAGNESIUM

Place in 120 liter blue drum for disposal or take to the Sanitary Landfill Recycling Center.

BATTERIES, NICKEL-CADMIUM

Place in 60 liter plastic drum for disposal or take to the Sanitary Landfill Recycling Center.

BATTERIES, DRY CELL

Place in 60 liter red plastic drum or 30 liter blue drum. Containers will be emptied by contractor frequently.

CARTRIDGES, DIESEL STARTER

Place in 120 l plastic drum for disposal or take to the Sanitary Landfill Recycling Center.

GLUES AND ADHESIVES

If property is unused, unopened, contact RSSA Reuse Center at Bldg. 113 for shelf life extension or return in to supply or Reuse Center.

If property is used, opened, contact the Environmental Division for disposal.

PAINT, HALOGENATED AND NONHALOGENATED

If property is unused, unopened, contact RSSA Reuse Center at Bldg. 113 for shelf life extension or return to supply or Reuse Center.

If property is used, opened take to Sanitary Landfill Recycling Center.

CARC paint must be packed separately.

LATEX Paint will not be accepted, must be disposed of as regular refuse.

BRAKE AND HYDRAULIC FLUID

If property is unused, unopened, contact RSSA Reuse Center at Bldg. 113 for shelf life extension or return in to supply or Reuse Center.

If property is used, opened, take to the Sanitary Landfill Recycling Center.

WASTE GREASE

If property is unused, unopened, contact RSSA Reuse Center at Bldg. 113 for shelf life extension or return to supply or Reuse Center. If property is used, opened take to Sanitary Landfill Recycling Center for disposal.

AEROSOL CANS

Place in 60liter blue drum and request removal or take to the Sanitary Landfill Recycling Center for disposal.

SOLVENTS, HALOGENATED AND NONHALOGENATED

If property is unused, unopened, contact RSSA Reuse Center at Bldg. 113 for shelf life extension or return to Supply or Reuse Center.

If property is used, opened, take to Sanitary Landfill Recycling Center and drain into the blue metal containers.

If you have any questions concerning hazardous waste separation or disposal, ask the HW Contract OST or call the Environmental Division, DSN 475-7048or 7209.

5. TURN IN OF HAZARDOUS MATERIALS TO RSSA REUSE CENTER

1. Hazardous materials that are excess or are expired, are not necessarily hazardous wastes. Others that have a need for it could use many items. The RSSA HazMat Reuse Center will be the central point for turn in or re-issue of excess hazardous materials.
2. The RSSA HAZMAT Re-Use Center will issue, stock, receive turn-ins and account for reusable Class III products and limited Class II HAZMAT with a valid National Stock Number. This includes products that are excess to unit/activity needs and products, which have reached or are near shelf life expiration. The Re-Use Center will have the capability to research and acquire shelf life extensions on most products. Products deemed suitable for use will be placed into the supply system for issue. Items accepted without a valid NSN will be issued to units free of charge.
3. The Re-Use Center is located at Bldg. # 121. Operation hours are from 0800 – 1145 and 1245 – 1545 hours Monday through Friday and is closed on German Holidays.
4. Issue Procedures:
 - a. Units assigned to the 100th ASG with Re-Use Center Requirements must have an established account with the RSSA.
 - b. Request for issue of items from the Re-Use Center will be made utilizing DA Form 2765-1 (Request for Issue or Turn-in).
 - c. Customer request should be based on usage and should not exceed a 15 day supply.
 - d. Requests for Class III Re-Use Center Items that cannot be filled will be processed back to the Class III office and filled from normal stock.
5. Turn-in Procedures:
 - a. Appointments can be made Monday through Friday for turn-in of all reusable Class III items and on a case by case basis of Class II HAZMAT items such as spray paints and various cleaning products.
 - b. Units/activities are responsible for preparing a DA Form 2765-1 with complete information on that product being turned-in. Unit/activities must ensure that the items are properly marked, sealed and that the products packaging is free from dirt and any leaky residue.
 - c. The Re-Use Center personnel will inspect each item for its reusability. The Re-Use Center NCOIC will have the final approving authority for all items accepted from customers. Items that are not suitable for re-issue will be referred to the supporting DPW or to the 100th ASG/409th BSB Environmental Office for further disposition. The Re-Use Center will normally only accept items that have a valid NSN assigned. Products for turn-in without a valid NSN must be coordinated with the Re-Use Center NCOIC prior to acceptance. Items must be reusable or capable for retesting for expiration and suitability for re-issue.

6. Storage and Transportation.

- a. Items coming and going into and going out of the Re-Use Center will be properly marked and stored in accordance with the 100th ASG Environmental and Safety policies and the German Final Governing Standards.
- b. Personnel of the Re-Use Center will ensure that vehicles transporting re-use items are properly marked, safety inspected and drivers of the vehicles are properly licensed.

7. Processing Time. Routine requests for Re-Use Center items will be processed within 24 hours or receipt of requisition during normal operation hours.

8. Points of Contacts at the RSSA HAZMAT Re-Use Center are Ms. Campbell or Mr. Harrer at DSN 476-3368/3248.

9. The following is a short list of what can be picked up at the Re-Use Center.

NSN	UI	NOMENCLATURE
9150-00-111-6254	GL	Hydraulic Fluid (FRH)
9150-00-111-6256	QT	Hydraulic Fluid (FRH)
9150-00-117-8791	PT	Lub Oil (Two Cycle)
9150-00-149-1593	CN	Grease
9150-00-180-6266	CN	Lube Oil Turboshift
9150-00-186-6668	CN	Lub Oil 10W
9150-00-188-9858	CN	Lub Oil 30W
6810-00-201-0907	CN	Alcohol
9150-00-261-7899	PT	Penetrating Oil
9110-00-263-9865	BX	Fuel Comp
9150-00-273-2389	CN	Lub Oil
6810-00-297-9540	DR	Distilled Water
6810-00-356-4936	BT	Distilled Water
9150-00-657-4959	CN	Dextron III
9150-00-698-2382	QT	Dextron III
9150-00-754-2595	CN	Grease OHT
6850-00-823-7861	DZ	Starting Fluid
6850-00835-0484	CN	Deicing, Defrosting
6850-00-880-7616	TU	Grease
6850-00-926-2275	PT	Cleaner Windshield
9150-00985-7099	QT	Lub Oil Turboshift
9150-01-035-5393	CN	Lub Oil 80W90
9150-01-053-6688	GL	Cleaner Lub&Pres
9150-01-054-6453	PT	Cleaner Lub&Pres
9150-01-079-6124	BT	Cleaner Lub&Pres
9150-01-102-1473	BT	Cleaner Lub&Pres
9150-01-102-9455	GL	Brake Fluid
9150-01-152-4118	CN	Lub Oil 15W40
9150-01-177-3988	QT	Lub Oil 10W
9150-01-178-4725	QT	Lub Oil 15 W40

9150-01-178-4726	QT	Lub Oil 30 W
9150-01-197-7689	CN	Grease GAA
9150-01-197-7692	CN	Grease GAA
9150-01-197-7693	CN	Grease GAA
6840-01-284-3982	BX	Insect Repellant
9150-01-422-9253	BX	Lub Oil 3W30
9150-01-422-8746	DR	Lub Oil 15W40 M+D
9150-01-422-8899	BX	Lub Oil 15W40 M+D
9150-01-422-8750	CO	Lub Oil 14 W40 M+D
9150-01-353-4799	QT	Dextron III
6850-01-441-3218	GL	Antifreeze
6850-01-441-3221	CO	Antifreeze
6850-01-464-9137	CO	Antifreeze
6850-01-584-3041	EA	Propan

WHEN IN DOUBT ABOUT THE DISPOSAL OF YOUR HAZARDOUS WASTE, CALL
ENVIRONMENTAL DIVISION GRAFENWOEHR DSN 475-7048!

WE CAN HELP YOU!

6. TURN-IN OF HAZARDOUS MATERIAL TO DRMO

Hazardous materials such as paints, oils, lubricants, brake/hydraulic fluids, which are not expired or expired and containers are in good condition, must be turned-in to the RSSA Reuse Center Vilseck or to DRMO.

Transportation, packaging and placarding of property to be turned in to DRMO can be performed by the contractor, if the quantity of the material to be turned in is at least 500 kg. 10 workdays must be allowed for removal.

Follow the "GENERAL TURN-IN PROCEDURES FOR ALL HAZARDOUS PROPERTY"

Upon request the Environmental Office will assist you to prepare the required paperwork for turn-in. You are required to provide the contractor the DD Form 1348-1A and a copy of the Material Safety Data Sheet. If no MSDS is available, we will give you assistance, however, you have to provide us with the following information:

- National Stock Number (NSN) of the waste/material
- Part/Item name
- Specification Number
- Manufacturer
- Quantity
- Estimated weight
- Purchase price (can be found in the AMDF)
- Military unit, point of contact and telephone number

After completion of the DD1348-1A, the DPW Environmental Office will assign a document number and sign the form to ensure funds are available. The Environmental Office will also prepare documentation to fund transportation by the contractor.

The HW contract POC will coordinate the turn-in with DRMO by getting appointments for turn-in. HW contractor will then transport your hazardous materials to DRMO.

If you decide to take the hazardous material yourself to DRMO, you must make sure you have a hazardous cargo certified driver, the cargo is properly loaded and secured and the vehicle is placarded according to the material you are transporting.

If you have any questions about hazardous waste (segregation, packaging, manifesting, labeling, and transportation requirements), or if you need information on hazardous cargo drivers training requirements, Material Safety Data Sheet, or spill prevention equipment, contact the Environmental Division Grafenwoehr, Mrs. Yankers or Mr. Salavs DSN 475-7048 or 7209.

7. REQUESTING OVERPACKS

Request for plastic drums (overpacks) which must be on hand at each hazardous waste storage facility for emergency cases should be directed to the RSSA, Bldg. # 113. Provide a DD Form 2765 (same procedure as repair part request) to Mr. Schöberl, DSN 476-2654 and request "Drum, PE, 120 l" or "Drum, PE, 60 l". You may also order directly with your IMPAC card. The Environmental Office has catalogues of different companies that offer various environmental protection equipment such as storage containers for hazardous material, safety items etc.

In emergency cases the HW Contractor will also provide you an overpack drum.

8. GENERAL TURN-IN PROCEDURES FOR ALL HAZARDOUS PROPERTY

WHAT TO DO FIRST

1. Inventory your property. Segregate by NSN, manufacturer, serviceable, unserviceable, good cans from bad cans.
2. Make sure you have a Material Safety Data Sheet (MSDS) for each item.

NOTE: By Federal Regulation you are required to have a Material Safety Data Sheet (MSDS) for each item of hazardous property in your unit. The MSDS must be available to all persons who use or will use the property. When you issue property out or turn property in, it must be accompanied by a MSDS. The product and manufacturer's name on the MSDS must match the product and the manufacturer's name on the property in your possession. If you do not have MSDSs, you may obtain them from your BSB Safety Office or Environmental Office or you may look it up through the internet. A valuable address is:

<http://siri.org/msds/>.

If you have a German manufactured product, telephone the manufacturer. Ask that he provides you with a "DIN Sicherheitsdatenblatt" in German and in English.

3. Report your serviceable and unserviceable items to your Supply Support Activity (SSA) or Regional Supply Support Activity (RSSA). They will need to know the NSN, name of item, size of container, batch lot number, military specification and manufacturer's name.

- a. Serviceable items (not expired shelf life or past test date, not leaking, not severely dented or rusted).

- (1) The SSA/RSSA will direct you to turn these items in to the SSA/RSSA or directly to the Supply Depot at Kaiserslautern or Germersheim. These items will be placed back into the supply system for reissue.

- (2) DRMO will not receive these items unless directed by the Supply Depot.

- b. Serviceable items, not expired (leaking, severely dented or rusted). The SSA/RSSA will tell you to have items removed as hazardous waste by the hazardous waste contractor. Call your DPW Environmental Office and request removal or take to the Sanitary Landfill Recycling Center for disposal.

- c. Unserviceable items - expired (past shelf life/test date, not leaking, not severely dented or rusted). The SSA/RSSA will inform you if the shelf life/test date has been extended.

- (1) If the shelf life or test date has been extended,

- (a) You can still use the product, or

(b) You can turn it into the SSA, RSSA, or Supply Depot. DRMO Grafenwoehr will not accept these items unless directed by the Supply Depot.

(2) If the shelf life or test date has not been extended, turn in to DRMO Grafenwoehr. You must first telephone your DPW Environmental Office for assistance.

d. Unserviceable items - expired (past shelf life/test date, leaking, severely dented or rusted). The SSA/RSSA will tell you to have items removed as hazardous waste by the hazardous waste contractor. Contact your DPW Environmental Office and request removal.

PREPARING FOR TURN IN TO DRMO

1. Before you turn in to DRMO, you must first contact your DPW Environmental Office for turn-in assistance.

2. Tell them what you have, NSN, name of item, quantity, etc.

3. Environmental Office will either direct you to the central hazardous waste collection point or assist you in turning in the property to DRMO. An on site inspection of the property by the DRMO may be required.

4. When turning in hazardous materials to DRMO, overpacking may be required. (See attached procedure for overpacking). DRMO will direct this. Overpack drums (UN approved plastic or metal) have a removable lid and locking ring, and may be obtained through supply, or local purchase.

If the HW contractor is tasked to transport HM to DRMO, he has to provide for overpacks, proper labeling and placarding of the vehicle. The HW contractor can be tasked to transport HM to DRMO if the total weight of materials to be transported is above 500 kg.

If you decide to take the property to DRMO on your own, make sure you have a hazardous cargo licensed driver and the proper placards for the vehicle.

5. When turning in property to DRMO you will need the following documents:

a. If a property is classified as a Hazardous Material:

(1) You will need a Material Safety Data Sheet (MSDS). If not available, MSDS can be obtained from your BSB Safety Office or DPW Environmental Office or from the internet (<http://siri.org/msds/>).

(2) You will also need a Hazardous Chemical Warning Label for each can. The newer products already have the warning printed on the cans. They usually start with the words "WARNING" or "CAUTION". If you do not have this warning on your property, your BSB Safety Office can print one for you.

(3) If the property is a flammable, you will need a flammable label; if a corrosive a corrosive label; if a toxic a poison label; if an oxidizer, an oxidizer label, etc. The DPW Environmental Office can provide these labels. Please attach the appropriate label to the drum.

(4) You will need a DD Form 1348-1 for each item being turned in. The DPW Environmental Office will assign the document number and assist you in the preparation of the form.

(4) If the item is overpacked, you must use a permanent marker and mark the drum with NSN, name of item, quantity in the drum, and the document number from the DD Form 1348-1.

5. When all the above actions have been completed, contact the DRMO Environmental Office for an appointment at DSN 475-6384.

PROCEDURES FOR OVERPACKING

IT IS RECOMMENDED THAT ALL UNITS STORING ANY TYPE OF HAZARDOUS PROPERTY HAVE ON-HAND, AS A MINIMUM, 3 OVERPACK DRUMS, 100 LBS ABSORBENT MATERIAL, AND PROTECTIVE CLOTHING INDICATED ON THE MATERIAL SAFETY DATA SHEETS FOR PROPERTY BEING STORED OR HANDLED OR USED BY THE UNIT.

1. Read the Material Safety Data Sheet (MSDS) for the product to be overpacked. Insure that the manufacturer's name on the MSDS matches the name of the manufacturer on the product. Different manufacturers may use different chemicals for the same product.
2. Obtain the proper protective clothing as indicated on the MSDS, and consistent with the condition of the property. If the substance is leaking, all protective clothing may be required to include a respirator (for example, leaking DS-2). If the substance is only dented, and not leaking, only gloves may be required. If you do not know what the substance is, you will require help from the DPW Environmental Office in obtaining a lab analysis.
3. Assemble all other supplies required. Absorbent; plastic sheeting; drip pan; overpack drum; decontaminating material (water, liquid soap, sodium bicarbonate, etc.); non-sparking shovel, dust pan, etc., for flammables; broom; etc. You may also need pallets and forklifts.
4. The following instructions are for non-leaking substances only. Notify your Unit Environmental Monitor, Safety Monitor, Chemical Personnel, DPW Environmental Office or Fire Department as specified in your SPILL SOP that overpacking operations will be performed and that there is a potential for a spill.
 - a. Inventory the property you are overpacking. Write down the NSN, name of item, quantity, size of cans, and manufacturer's name.
 - b. Read the MSDS before you start.
 - c. If the substance is not leaking, but severely dented, corroded and fragile, put on the required protective gear in case the product breaks and spills on you. Have at hand all supplies required in case of a spill.

- d. Lay out plastic sheeting/drip pans as close to the product as possible to catch any drips. If you are totally filling a 200-liter drum, you may want to place a pallet on the plastic or in the drip pan so that the drum may later be removed with a forklift. Have absorbent handy to place on any drips to keep the substance from running onto the floor, concrete, or dirt.
- e. Remove the locking ring and lid from the drum. Place the drum on the plastic sheeting, pallet, or in the drip pan.
- f. Have at hand, absorbent material, shovel, broom, decontaminating material (water, liquid soap, etc.) eye wash, etc., as required, in case of a spill. Refer to your SOP for spill cleanup.
- g. Place two (2) inches of absorbent in the drum.
- h. Place cans gently in the drum.
- i. Add just enough absorbent to soak up the liquid if all the cans leaked. At the maximum, just enough to cover the cans. Remember that the cost of disposal is by weight. (In other words, don't use 1 bag of absorbent for a one-quart can).
- j. Place the lid on the drum. Add the locking ring and lock down tight.
- k. Using a permanent marker, mark each overpack drum with the NSN, name of product, quantity inside and manufacturer's name.
- l. Follow the "General Turn-In Procedures for All Hazardous Property"

9. DETERMINING UNSERVICEABLE DS-2

1. All units with DS-2 should conduct a detailed inspection of their stocks on a regular basis, at least monthly, especially the 1-1/3 quart cans, which are packaged in wood boxes. If even one can in a box develops a pin-hole leak, the vapor from that leak may corrode all the other cans in the box. These pinhole leaks are difficult to detect. The symptoms these leaks are bubbling of the paint. If the bubbled paint is removed, a pinhole leak becomes visible. Removal of the bubbled paint is not recommended.
2. When inspecting the 5-gallon cans, look for signs of leakage around the recessed bung area. Although that area may indicate that the leakage has hardened, temperature changes usually cause the hardened DS-2 to liquefy causing recurrence of leakage and/or vapor.
3. All deteriorated cans, regardless of the amount of deterioration must be overpacked in blue polyethylene drums with clamping ring. Contact the Environmental Division for disposal through the DRMO hazardous waste disposal contract.

10. STORAGE BUILDING FOR DS2 AND STB

1. To provide all units with proper storage for their DS2 and STB, the Environmental Division Grafenwoehr built a central storage building at Bldg. # 311. Each unit is assigned storage cabinets. The Environmental Division has the keys for the building and the individual cabinets. Upon delivery of DS2 and STB keys will be issued to the Unit Environmental Coordinator.
2. The following procedures must be followed:
 - a. Make an appointment for delivery with the DPW Environmental Office Grafenwoehr, DSN 475-7048.
 - b. Provide a detailed listing of quantities to be stored. This will allow the Environmental Office to assign each unit sufficient storage space.
 - c. An inventory listing must be placed on the outside of each storage cabinet.
 - d. The assigned storage area must be inspected for actual condition and leaks at a minimum monthly. A checklist will be placed on the outside of each storage cabinet. Use steps of para 9 above for your inspections.
 - e. Leaking, rusty and unusable containers must be removed, overpacked into blue plastic drums and disposal requested by HW contractor, through the Environmental Division.
 - f. TB CML 113 provides you with detailed information of handling and storage of DS2.

APPENDIX I

IMPORTANT TELEPHONE NUMBERS

Environmental Division Grafenwoehr:

Mrs. Yankers, Mrs. Fremuth,
Mr. Salavs

DSN 475-7048/7209

FAX 475-7047

RSSA Reuse Center:

Mr. Harrer
Ms. Campbell

DSN 476-2878/2540

FAX 476-2743

DRMO Grafenwöhr COR

Mr. Eddie Stratford

DSN 475-6384

FAX (CIV) 09641-83-6637

HW Contract On Site Technicians (OST)

Mr. Baumgartner

0172-8602578 (Cell Phone)
0961-6343312 (Fax)

Mr. Witt

0173-3686032 (Cell Phone)

You may also leave a message for the OST with the DPW Environmental Staff at DSN 475-7048 or email to: hannelore.yankers@cmtymail.100asg.army.mil

We will forward your request/questions to the OST.

EMERGENCY NUMBERS

- Grafenwoehr Fire Department DSN 475-8303 / CIV 09641-83-8303
- Grafenwöhr Acute Medical Care Area
- 24 hour Emergency Medical Assistance DSN 475-8307 / CIV 09641-83-8307
- Würzburg Military Hospital
- Emergency & Poison Control DSN 350-3877 / CIV 0931-8049-877
- German Emergency Call 19222
- Weiden Hospital 0961-303-0
- Eschenbach Hospital: Emergencies and English speaking personnel 09645-85-0

- Poison Emergency Call
- Nürnberg 0911-398 2451
- München 089-19240

APPENDIX II

LIST OF MANAGEMENT SERVICES POINTS

	Sanitary Landfill/Recycling Center
4029	377 th Transportation Company, MP 5
301	JMMA, 100 th ASG
2025	Airfield Flight Detachment
1030/1024	OMA, Tank Park 1
643	Range Warehouse
630	519 th MP Company, MP 9
629	58 th Aviation Company, MP 9
602	535 th Engr Company, MP 32
528	Car Care Center
521	Fire Department
131/475	Dental clinic / Health Clinic
394	Troop Billeting / Self Help
329	DPW Shops
319	JMMA (Heavy Equipment)

For Management Services Points the contractor will schedule all removals. Please inform the Environmental Office if containers are full and no removal is made.

LIST OF PICK UP POINTS

	Dry cell batteries, Main Camp & Field Camps (appr. 112 locations)
	Fire Extinguishing Powder, Airfield Fire Department
	Contaminated Fuel from Field Camps (50 pick-up points)
	Waste Antifreeze from Field Camps (50 pick-up points)
MP 33	71 st Med Detachment/255 th Med Detachment (Waste Pesticides/Herbicides)

Pickup Points, like Airfield Fire Department and 71st/255th Med Detachment have to request pickup at the Environmental Office as required. All other pick-up points will be routinely checked and emptied by the HW Contractor.

APPENDIX III

LIST OF SPILL RESPONSE EQUIPMENT

Containers (DOT or Equivalent)

NSN	ITEM
8105-00848-9631	Bag, Polyolefin, 5 ml, 3 x 54 inch
8125-0174-0852	Bottle, Plastic 1 gal (Polyethylene)
8125-00731-6016	Bottle, Plastic, 13 gal
8110-00254-5719	Drum, Steel, 1 gal
8100-00-128-6819	1 gal steel drum (17C)*
8110-00254-5722	4 gal steel drum*
8110-00-282-2520	5 gal steel drum (17C)*
8110-00-254-5713	Drum, steel, 6 gal (w/Ring)*
8110-01-204-8697	Pail, shipping, steel, 5 gal (DOT 17E)*
8110-00-519-5618	Drum, steel, 10 gal, (DOT 17C)*
8110-00-753-4643	19 gal steel drum, (17C)*
8110-00-366-6809	30 gal steel drum (17C)*
8110-00-030-7779	30 gal steel drum*
8110-00-303-7780	50 gal steel drum (17C)*
8110-00-823-8121	55 gal steel drum (17M)*
8110-00-030-9783	Drum, steel, 55 gal (Bung & Vent) (DOT 17E)*
8110-01-282-7615	Drum, polyethylene, 55 gal*
8110-01-101-4055	85 gal, steel, Disposal drum (no lining)*
8110-01-101-4056	85 gal, steel, Recovery drum (Epoxy Phenolic lining)*
8110-01-101-4055	Drum, hazardous material

*Refers to Open Top Containers

For Bung Container refer to FEDLOG or contact your G-4

ABSORBENT

NSN	ITEM
9330-01-431-9896	6 lb Bag Oclansorb
9330-01-431-9900	18 lb Bag Oclansorb
9330-01-391-2046	2' x 4" Sorb Socks
9330-01-431-9993	4' x 4" Sorb Socks
9330-01-391-2048	8' x 4" Sorb Socks
9330-01-391-2050	10' x 8" Boom
9330-01-391-2052	Peat Pads
9330-01-417-1958	Ultra Granules
9330-01-417-1959	Absorbent Sheets
7930-00-296-1272	Clay ground (UL-bag)
7510-01-V55-0756	Super Absorbent
1939-01-154-7001	Non Skid Absorbent (UL-40 bag skid)
5640-00-801-4176	Insulation Thermal Vermiculite (UI bag) (packaging material
4235-01-423-1466	Loose Absorbent 1 CF Bag (4 ea per box)
4235-01-423-0711	Loose Absorbent 2 CF bag (3 ea per case)
4253-01-423-1436	Pads, 18 x 18 x 3 in (30 ea per box)
4235-01-423-1465	Socks, 4 in x 8 ft (10 ea per box)
4235-01-423-1467	Socks, 2 in x 10 ft. (20 per box)
4235-01-423-2787	Boom w/ clamps, 10 in x 10 ft.

SPILL KITS

NSN	ITEM
9330-01-391-3113	14 Gallon Spill Kit
9330-01-391-3110	55 Gallon Spill Kit
9330-01-391-2047	55 Gallon Bulk Filled
4235-01-420-0905	Small Camo Spill Kit
4235-01-420-0895	Large Camo Spill Kit
4235-01-432-7909	Include: 4 ea 18 in x 18 in pads, 2 ea 2 in x 5 ft socks, 1 ea ¾ CF bags, 2 ea waste disposal bag, 1 ea water resistant nylon tote bag.
4235-01-432-7912	Includes: 25 gal drum with seven 8 x 18 x 3 in pads, one 4 in x 8 ft sock, two 4 in x 4 ft socks, one ¾ cu.ft. bag, two Tyvek suits, two pair nitrile gloves, one pair safety goggles and three disposal bags.
4235-01-423-7214	Includes: 55 gal drum with fifteen 18x18x3 in pads, two 4 in x 8 ft socks, two 4 in x 4 ft socks, three ¾ cu.ft. bags, three Tyvek suits, three pair nitrile gloves, three pair safety goggles and five disposal bags.
4235-01-423-7221	Includes: 55 gal drum with ten 18x18x3 in pads, five 2x10 ft socks, five ¾ cu.ft. bags, two quarts of emulsifier, two pair nitrile gloves, one folding shovel, one 3.5 gal bucket, two Tyvek suits, two pair safety goggles, one scoop, five disposal bags.

APPENDIX IV

USEFUL INTERNET ADRESSES

<http://hazmat.dot.gov/gydebook.htm>

<http://denix.cecer.army.mil/denix/denix.html> (Defense Environmental Network and Information Exchange)

<http://www.dscr.dla.mil/> (Defense Supply Center Richmond)

<http://enviro.nfesc.navy.mil/p2library> (Joint Service Pollution Prevention Technical Library)

<http://www.dlaps.hq.dla.mil> Defense Logistics Agency Publishing System

<http://www.shelflife.hq.dla.mil> (DOD Shelf life Program)

<http://aec.army.mil> US Army Environmental Center Homepage

<http://chppm.www.apgea.army.mil/hmwp> USACHPPM Hazardous and Medical Waste Program – Military Item Disposal Instructions

<http://www.denix.osd.mil/DOD/Library/Intl/OEBGD/toc.html> Draft Overseas Environmental Baseline Guidance Document (User ID and Password required)

<http://www.sigma-aldrich.com/msds> Material Safety Data Sheets

GERMAN ENVIRONMENTAL LAW - ENGLISH TRANSLATIONS:

<http://iuscomp.org/gla/statutes/statutes.htm> : This site contains English translations of the following German Laws

CHEMICALS ACT
CLOSED SUBSTANCE CYCLE WASTE MANAGEMENT
ENVIRONMENTAL INFORMATION ACT
ENVIRONMENTAL IMPACT ASSESSMENT ACT
FEDERAL IMMISSIONS CONTROL ACT
FEDERAL NATURE CONSERVATION ACT
FEDERAL WATER ACT
WASTE WATER CHARGES ACT

FOR COPIES OF MATERIAL SAFETY DATA SHEETS:

<http://msds.pdc.cornell.edu/issearch/msdssrch.htm>

<http://www.vetmed.ucdavis.edu/msds/>

<http://www.shelflife.hq.dla>

MSDS IN OTHER LANGUAGES:

<http://cdc.gov/niosh/ipcs/german.html> German

<http://www.cheminform.de/default.htm> German

<http://www.fpn.navy.mil/htforgn.cfm>

<http://www.kodak.com/US/en/corp/hse/prodSearchMSDS.shtml>

Various languages

<http://rhone-poulenc.esi.be/norp.htm> Italian, Dutch

ANNEX V

HAZARDOUS WASTE CONTINGENCY PLAN

1. If for any reason, like an Act of God, strike of contractor personnel or the closing of the Grafenwoehr Post for terrorist attacks or any catastrophes it is not possible to pick up hazardous waste from Management Points and Pick Up Points, the Unit Environmental Coordinator or his/her Alternate will arrange collection and transportation of hazardous waste to the Interim Hazardous Waste Storage Area at the sanitary Landfill Grafenwoehr. Waste will be disposed of according to instructions of the landfill operator.
2. If the hazardous waste storage area at the sanitary landfill gets exhausted and the critical situation is not resolved, the Environmental Division will make arrangements to temporarily use the Storage Area for Contaminated Soil as an interim storage area for hazardous waste.
3. In case the above described situation lasts for a longer period so that all capacities of the interim storage areas provided are getting to be exceeded, the following steps will be taken:
 - a. The Environmental Division will contact the COR at the Grafenwoehr DRMO and request assistance for disposal of hazardous waste.
 - b. The Environmental Division together with the COR will prepare and initiate an Emergency Contract for removal and disposal of waste at an authorized incineration or disposal plant.
 - c. If the Grafenwoehr Post is closed to all non employed persons, arrangements will be made, together with the COR, to transport the hazardous waste from the interim storage areas to the incineration plant in Schwabach. The US Forces Grafenwoehr have a registered customer number with this incineration plant.
 - d. The DPW Grafenwoehr will provide truck drivers who hold a special permit to transport hazardous waste over public roads.
 - e. The COR and Environmental staff will ensure that the waste is properly loaded on the truck and that the truck is provided with all required placards. Furthermore they will provide all necessary paper work and manifests to the driver, and ensure that he/she has the permit for transporting hazardous waste over public roads.